

July 1999

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All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in July increased \$7.3 billion or 2.1 percent to \$358.5 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 0.8 percent June increase and is the eleventh increase in the last fourteen months. Excluding transportation, new orders increased 2.1 percent, the fifth increase in the last six months. Year-to-date, new orders are 4.5 percent above the same period a year ago.

Shipments increased \$1.7 billion or 0.5 percent to \$356.4 billion, following a 1.2 percent June increase. This is the eleventh increase in the last fourteen months. Year-to-date, shipments are 4.1 percent above the same period a year ago.

Unfilled orders increased \$2.0 billion or 0.4 percent to \$520.1 billion, following a 0.7 percent June decrease. This is the first increase since March. The unfilled orders-to-shipments ratio was 2.55, down from 2.57 in June.

Inventories increased \$2.2 billion or 0.5 percent to \$464.9 billion. This is the largest increase since October 1998. The inventories-to-shipments ratio was 1.30, unchanged from June.

New Orders

New orders for manufactured durable goods in July increased \$7.1 billion or 3.6 percent to \$204.2 billion, the Department of Commerce, Bureau of the Census reported today. This is the eleventh increase in the last fourteen months and the largest since November 1997. Excluding transportation, new orders increased 4.1 percent.

Industrial machinery and equipment, led by computers and office equipment, had the largest increase, \$3.8 billion or 10.4 percent to \$40.2 billion. This is the largest increase since February 1985. Electronic and other electrical equipment increased \$1.7 billion or 4.7 percent to \$36.8 billion, mostly due to electronic components. This is the fourth increase in the last five months. Transportation equipment, up three consecutive months, increased \$1.0 billion or 2.1 percent to \$47.2 billion. Primary metals, up four consecutive months, increased \$0.3 billion or 2.3 percent to \$15.6 billion.

New orders for nondurable goods, up five of the last six months, increased \$0.2 billion or 0.1 percent to \$154.2 billion. An increase in petroleum and coal products more than offset a decrease in food and kindred products.

Shipments

Shipments of durable goods in July increased \$1.5 billion or 0.8 percent to \$202.5 billion. This is the twelfth increase in

the last fourteen months. Industrial machinery and equipment had the largest increase, \$2.1 billion or 5.5 percent to \$39.4 billion. This is the fifth increase in the last six months and the largest since July 1987. Electronic and other electrical equipment, up five consecutive months, increased \$0.9 billion or 2.6 percent to \$35.1 billion. Transportation equipment decreased \$1.3 billion or 2.7 percent to \$48.5 billion; led by motor vehicles and parts, all components decreased except shipbuilding and tanks.

Shipments of nondurable goods increased \$0.2 billion or 0.1 percent to \$153.9 billion. This is the fifth increase in the last six months. Petroleum and coal products, up six consecutive months, increased \$0.9 billion or 6.3 percent to \$14.6 billion. Food and kindred products decreased \$0.6 billion or 1.4 percent to \$41.5 billion.

Unfilled Orders

Unfilled orders for durable goods in July, up for the first time since March, increased \$1.7 billion or 0.3 percent to \$495.6 billion. Electronic and other electrical equipment, up eight consecutive months, had the largest increase, \$1.7 billion or 2.6 percent to \$67.9 billion. Industrial machinery and equipment, up seven of the last eight months, increased \$0.9 billion or 1.1 percent to \$79.1 billion. Primary metals, up six consecutive months, increased \$0.8 billion or 2.5 percent to \$31.4 billion. This is the largest increase since September 1997. Notwithstanding these increases, transportation equipment, down thirteen of the last fifteen months, decreased \$1.2 billion or 0.5 percent to \$230.5 billion.

Inventories

Inventories of durable goods in July increased \$1.8 billion or 0.6 percent to \$293.4 billion. This is the first increase since February.

Transportation equipment had the largest increase, \$0.9 billion or 1.2 percent to \$72.4 billion. This is the first increase since February. Instruments and related products increased \$0.3 billion or 1.2 percent to \$26.9 billion. Fabricated metal products increased \$0.3 billion or 0.9 percent to \$31.0 billion.

Inventories of nondurable goods, up four of the last five months, increased \$0.4 billion or 0.2 percent to \$171.5 billion.

By stage of fabrication, July finished goods increased 0.3 percent in durables and 0.4 percent in nondurables. Work in process increased 0.5 percent in durables and decreased 0.4 percent in nondurables. Materials and supplies increased 1.1 percent in durables and 0.4 percent in nondurables.

Our internet address is: <http://www.census.gov/indicator/www/m3>

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted ¹						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	July 1999 ^p	June 1999 ^r	May 1999	June-July	May-June	Apr.-May	July 1999 ^p	June 1999 ^r	May 1999	July 1998	July 99/98	1999 ^p	1998
All manufacturing industries	356,442	354,702	350,624	+0.5	+1.2	+0.9	319,970	380,057	349,625	302,131	+5.9	2,411,222	2,316,560
Manufacturing Industries													
with unfilled orders	203,740	201,266	201,211	+1.2	0.0	+1.0	180,892	218,997	197,615	172,719	+4.7	1,372,347	1,324,940
without defense capital goods	349,788	348,424	343,955	+0.4	+1.3	+0.9	314,152	373,323	343,142	296,440	+6.0	2,366,611	2,272,184
Durable goods industries	202,507	200,990	199,425	+0.8	+0.8	+1.1	170,896	219,424	198,773	158,992	+7.5	1,364,634	1,288,816
With unfilled orders	165,911	163,833	164,045	+1.3	-0.1	+1.0	144,057	180,447	161,459	135,900	+6.0	1,117,166	1,066,363
Stone, clay, and glass products	8,492	8,579	8,431	-1.0	+1.8	+0.7	8,625	9,324	8,629	8,249	+4.6	58,651	54,958
Primary metals	14,792	14,677	14,526	+0.8	+1.0	+2.1	13,495	15,501	14,894	13,580	-0.6	102,084	108,764
Blast furnaces, steel mills	5,628	5,615	5,626	+0.2	-0.2	+2.1	5,144	5,933	5,780	5,460	-5.8	39,467	44,636
Iron and steel foundries	1,533	1,536	1,504	-0.2	+2.1	+0.6	1,282	1,636	1,581	1,240	+3.4	10,718	10,611
Nonferrous and other primary metals	7,631	7,526	7,396	+1.4	+1.8	+2.4	7,069	7,932	7,533	6,880	+2.7	51,899	53,517
Fabricated metal products	20,395	20,544	20,411	-0.7	+0.7	0.0	18,196	21,800	20,751	18,129	+0.4	141,704	136,862
Industrial machinery and equipment	39,360	37,308	37,519	+5.5	-0.6	+0.1	34,055	44,097	36,517	32,255	+5.6	260,187	257,495
Engines and turbines	2,565	2,470	2,498	+3.8	-1.1	+3.9	1,873	2,913	2,510	1,608	+16.5	16,349	15,177
Farm and garden machinery	1,763	1,763	1,807	0.0	-2.4	-5.3	1,434	1,805	2,149	1,669	-14.1	14,841	16,355
Construction, mining and material handling equipment	3,817	3,869	3,814	-1.3	+1.4	-3.2	3,554	4,359	3,833	4,188	-15.1	27,990	30,380
Metalworking machinery	3,611	3,549	3,663	+1.7	-3.1	+6.4	3,070	3,919	3,631	2,932	+4.7	23,550	23,045
Computer and office equipment	13,141	11,164	11,536	+17.7	-3.2	-2.0	10,639	14,920	10,002	8,687	+22.5	77,149	71,793
Electronic and other electrical equipment	35,080	34,196	33,836	+2.6	+1.1	+0.5	30,508	37,380	32,345	27,019	+12.9	225,735	205,574
Electrical transmission and distribution equipment and industrial apparatus	3,938	3,712	3,817	+6.1	-2.8	+2.3	3,581	4,075	3,735	3,392	+5.6	26,093	25,305
Household appliances	2,416	2,347	2,343	+2.9	+0.2	-2.5	2,267	2,729	2,341	2,041	+11.1	16,480	14,453
Electric lighting and wiring equipment	2,437	2,509	2,378	-2.9	+5.5	+4.3	2,052	2,612	2,343	1,882	+9.0	15,957	15,131
Household audio and video equipment	1,126	1,078	1,092	+4.5	-1.3	+0.8	998	990	946	898	+11.1	6,718	6,400
Communications equipment	8,800	8,528	8,374	+3.2	+1.8	+1.6	7,411	10,054	7,669	5,664	+30.8	54,382	45,741
Electronic components	14,057	13,726	13,527	+2.4	+1.5	-0.9	12,396	14,550	13,028	11,412	+8.6	91,335	84,595
Transportation equipment	48,454	49,781	48,891	-2.7	+1.8	+2.4	32,741	52,128	50,363	28,518	+14.8	331,851	295,103
Motor vehicles and parts	34,141	34,813	32,717	-1.9	+6.4	+1.6	20,447	36,080	34,588	16,637	+22.9	227,899	199,960
Aircraft, missiles, space vehicles, and parts	10,933	11,317	12,741	-3.4	-11.2	+4.0	9,331	12,080	12,353	9,374	-0.5	80,556	74,270
Shipbuilding and tanks	979	910	999	+7.6	-8.9	+5.5	903	971	979	832	+8.5	6,577	6,291
Instruments and related products	14,460	14,611	14,309	-1.0	+2.1	+0.7	12,976	16,166	13,940	12,608	+2.9	98,441	96,255
Search and navigation equipment	3,248	3,200	3,200	+1.5	0.0	+2.9	2,915	3,461	3,062	2,753	+5.9	21,689	20,722
Measuring and controlling devices	4,139	4,118	4,077	+0.5	+1.0	-0.1	3,652	4,435	4,059	3,565	+2.4	28,238	28,263
Medical instruments and supplies	4,729	4,943	4,761	-4.3	+3.8	+1.1	4,250	5,565	4,551	4,076	+4.3	32,844	30,822
Photographic goods	1,883	1,873	1,780	+0.5	+5.2	-2.1	1,708	2,176	1,766	1,763	-3.1	12,297	13,251
All other durable goods	21,474	21,294	21,502	+0.8	-1.0	+1.7	20,300	23,028	21,334	18,634	+8.9	145,981	133,805
Nondurable goods industries	153,935	153,712	151,199	+0.1	+1.7	+0.6	149,074	160,633	150,852	143,139	+4.1	1,046,588	1,027,744
With unfilled orders	37,829	37,433	37,166	+1.1	+0.7	+0.9	36,835	38,550	36,156	36,819	0.0	255,181	258,577
Food and kindred products	41,485	42,055	41,494	-1.4	+1.4	+1.9	39,850	43,209	41,560	39,068	+2.0	285,945	279,490
Meat products	8,770	9,040	8,700	-3.0	+3.9	+1.2	8,726	9,345	8,866	8,591	+1.6	60,339	60,312
Dairy products	6,367	6,475	6,413	-1.7	+1.0	+5.2	6,050	6,668	6,447	5,976	+1.2	44,794	41,850
Beverages	6,351	6,324	6,260	+0.4	+1.0	-0.9	6,682	7,183	6,675	6,378	+4.8	44,135	42,571
All other foods, except fats and oils	18,280	18,398	18,317	-0.6	+0.4	+2.3	16,675	18,195	17,768	16,177	+3.1	123,679	120,238
Tobacco products	4,267	4,230	4,063	+0.9	+4.1	-0.2	4,157	4,501	4,072	3,357	+23.8	28,950	23,575
Textile mill products	6,544	6,447	6,533	+1.5	-1.3	-0.4	6,043	7,019	6,610	6,292	-4.0	44,754	47,261
Broadwoven fabrics and other textiles	3,711	3,732	3,761	-0.6	-0.8	-0.6	3,235	4,034	3,829	3,596	-10.0	25,895	28,890
Paper and allied products	13,611	13,460	13,394	+1.1	+0.5	+0.1	13,333	14,038	13,258	13,580	-1.8	93,942	97,124
Pulp, paper, and paperboard mill products	5,201	5,192	5,043	+0.2	+3.0	-0.4	5,162	5,366	4,942	5,251	-1.7	35,857	37,784
Paperboard containers and boxes	3,355	3,329	3,268	+0.8	+1.9	-0.6	3,271	3,439	3,297	3,593	-9.0	23,263	25,371
Miscellaneous converted paper products	5,055	4,939	5,083	+2.3	-2.8	+1.0	4,900	5,233	5,019	4,736	+3.5	34,822	33,969
Chemicals and allied products	34,313	34,483	33,580	-0.5	+2.7	0.0	32,686	36,988	33,721	30,935	+5.7	236,785	230,098
Industrial chemicals	15,282	15,070	14,657	+1.4	+2.8	+1.4	14,966	16,047	14,787	14,475	+3.4	104,728	107,682
Drugs, soaps, and toiletries	15,213	15,446	15,100	-1.5	+2.3	-1.6	14,174	16,369	14,050	13,008	+9.0	102,313	92,169
Petroleum and coal products	14,565	13,703	13,045	+6.3	+5.0	0.0	15,142	14,467	13,758	12,428	+21.8	87,978	86,853
Rubber and plastics products	13,354	13,609	13,484	-1.9	+0.9	+0.3	12,324	14,495	13,865	12,150	+1.4	95,112	92,339
All other nondurable goods	25,796	25,725	25,606	+0.3	+0.5	+0.4	25,539	25,916	24,008	25,329	+0.8	173,122	171,004

^p Preliminary. ^r Revised.

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted ¹						
	Monthly			Percent Change			Monthly				Percent change July 99/98	Year to date	
	July 1999 ^p	June 1999 ^r	May 1999	June- July	May- June	Apr.- May	July 1999 ^p	June 1999 ^r	May 1999	July 1998		1999 ^p	1998
All manufacturing industries	358,466	351,128	348,259	+2.1	+0.8	+1.0	329,117	370,797	344,067	306,253	+7.5	2,422,386	2,316,293
Manufacturing industries with unfilled orders	205,764	197,692	198,846	+4.1	-0.6	+1.1	190,039	209,737	192,057	176,841	+7.5	1,383,511	1,324,673
without defense capital goods	351,807	345,919	342,240	+1.7	+1.1	+0.7	323,966	365,884	339,113	302,334	+7.2	2,379,767	2,276,239
Durable goods industries	204,232	197,084	196,609	+3.6	+0.2	+1.0	178,663	209,554	192,553	162,637	+9.9	1,372,615	1,288,050
With unfilled orders	167,636	159,927	161,229	+4.8	-0.8	+0.9	151,824	170,577	155,239	139,545	+8.8	1,125,147	1,065,597
Stone, clay, and glass products	8,466	8,527	8,388	-0.7	+1.7	+1.5	8,610	9,266	8,566	8,361	+3.0	58,691	55,343
Primary metals	15,555	15,206	14,811	+2.3	+2.7	+0.3	14,339	15,295	14,691	12,753	+12.4	104,764	106,514
Blast furnaces, steel mills	5,791	5,885	5,862	-1.6	+0.4	+0.3	5,286	5,829	5,825	4,805	+10.0	41,010	43,581
Iron and steel foundries	1,554	1,400	1,360	+11.0	+2.9	-10.0	1,278	1,425	1,332	1,089	+17.4	10,184	10,651
Nonferrous and other primary metals	8,210	7,921	7,589	+3.6	+4.4	+2.4	7,775	8,041	7,534	6,859	+13.4	53,570	52,282
Fabricated metal products	20,333	20,284	20,210	+0.2	+0.4	+0.7	18,385	21,509	20,566	18,222	+0.9	141,845	137,800
Industrial machinery and equipment . .	40,241	36,435	37,780	+10.4	-3.6	-4.5	35,252	42,284	36,763	32,179	+9.5	264,352	255,961
Engines and turbines	2,916	1,942	2,816	+50.2	-31.0	-35.4	2,437	2,394	2,733	2,187	+11.4	19,686	14,134
Construction, mining and material handling equipment	3,719	3,621	3,723	+2.7	-2.7	-3.8	3,242	3,900	3,627	3,702	-12.4	27,213	30,900
Metalworking machinery	3,888	3,427	3,682	+13.5	-6.9	+2.0	3,347	3,797	3,650	2,980	+12.3	24,062	23,216
Computer and office equipment	13,372	11,280	11,619	+18.5	-2.9	+0.5	11,155	14,774	10,414	8,850	+26.0	77,905	72,246
Electronic and other electrical equipment	36,819	35,158	34,067	+4.7	+3.2	-0.9	37,406	35,607	30,303	32,182	+16.2	238,020	212,722
Electrical transmission and distribution equipment and industrial apparatus	3,983	3,736	3,872	+6.6	-3.5	+3.5	3,670	3,995	3,769	3,377	+8.7	26,422	25,237
Electric lighting and wiring equipment	2,534	2,686	2,231	-5.7	+20.4	-5.9	2,149	2,789	2,196	1,852	+16.0	16,331	15,411
Communications equipment	8,925	8,640	8,372	+3.3	+3.2	+2.1	7,530	10,145	7,674	5,332	+41.2	55,528	48,437
Electronic components	15,526	14,305	14,101	+8.5	+1.4	-1.9	19,010	12,566	11,459	17,083	+11.3	101,937	89,004
Transportation equipment	47,215	46,253	45,728	+2.1	+1.1	+9.9	31,384	47,846	46,165	27,428	+14.4	319,684	290,816
Aircraft, missiles, space vehicles, and parts.	10,580	9,117	10,377	+16.0	-12.1	+43.7	8,649	9,138	9,237	8,432	+2.6	71,251	71,609
Shipbuilding and tanks	668	275	579	142.9	-52.5	-9.4	576	432	548	285	102.1	6,428	5,346
Instruments and related products	14,183	13,887	14,370	+2.1	-3.4	-3.1	12,749	14,925	14,055	12,623	+1.0	98,109	94,721
Search and navigation equipment . . .	2,901	3,091	3,107	-6.1	-0.5	-12.1	2,231	3,363	2,835	2,129	+4.8	21,327	19,164
Measuring and controlling devices . .	4,142	4,071	4,031	+1.7	+1.0	-0.4	3,655	4,388	4,013	3,698	-1.2	28,381	27,667
Medical instruments and supplies . . .	4,780	4,400	5,006	+8.6	-12.1	+0.1	4,690	4,498	4,970	4,809	-2.5	32,850	32,016
All other durable goods	21,420	21,334	21,255	+0.4	+0.4	+0.2	20,538	22,822	21,444	18,889	+8.7	147,150	134,173
Nondurable goods industries	154,234	154,044	151,650	+0.1	+1.6	+0.9	150,454	161,243	151,514	143,616	+4.8	1,049,771	1,028,243
With unfilled orders	38,128	37,765	37,617	+1.0	+0.4	+2.3	38,215	39,160	36,818	37,296	+2.5	258,364	259,076

^p Preliminary. ^r Revised.

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note : Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change July 99/98
	July 1999 ^p	June 1999 ^p	May 1999	June- July	May- June	Apr.- May	July 1999 ^p	June 1999 ^p	May 1999	July 1998	
All manufacturing industries	520,088	518,064	521,638	+0.4	-0.7	-0.5	524,150	515,003	524,263	531,291	-1.3
Manufacturing industries without defense capital goods	426,177	424,158	426,663	+0.5	-0.6	-0.4	430,429	420,615	428,054	433,397	-0.7
Durable goods industries	495,613	493,888	497,794	+0.3	-0.8	-0.6	498,021	490,254	500,124	505,568	-1.5
Stone, clay, and glass products	6,056	6,082	6,134	-0.4	-0.8	-0.7	6,111	6,126	6,184	6,561	-6.9
Primary metals	31,432	30,669	30,140	+2.5	+1.8	+1.0	31,527	30,683	30,889	32,088	-1.7
Blast furnaces, steel mills	12,506	12,343	12,073	+1.3	+2.2	+2.0	12,578	12,436	12,540	13,303	-5.4
Iron and steel foundries	4,859	4,838	4,974	+0.4	-2.7	-2.8	4,818	4,822	5,033	5,516	-12.7
Nonferrous and other primary metals	14,067	13,488	13,093	+4.3	+3.0	+1.5	14,131	13,425	13,316	13,269	+6.5
Fabricated metal products	25,246	25,308	25,568	-0.2	-1.0	-0.8	25,575	25,386	25,677	27,288	-6.3
Industrial machinery and equipment . .	79,117	78,236	79,109	+1.1	-1.1	+0.3	78,606	77,409	79,222	71,891	+9.3
Engines and turbines	22,526	22,175	22,703	+1.6	-2.3	+1.4	22,062	21,498	22,017	11,491	+92.0
Construction, mining and material handling equipment	8,990	9,088	9,336	-1.1	-2.7	-1.0	8,856	9,168	9,627	10,886	-18.6
Metalworking machinery	6,958	6,681	6,803	+4.1	-1.8	+0.3	6,958	6,681	6,803	7,320	-4.9
Computer and office equipment	8,415	8,184	8,068	+2.8	+1.4	+1.0	8,697	8,181	8,327	8,085	+7.6
Electronic and other electrical equipment	67,884	66,145	65,183	+2.6	+1.5	+0.4	70,091	63,193	64,966	60,454	+15.9
Electrical transmission and distribution equipment and industrial apparatus	6,475	6,430	6,406	+0.7	+0.4	+0.9	6,510	6,421	6,501	6,450	+0.9
Electric lighting and wiring equipment	5,396	5,299	5,122	+1.8	+3.5	-2.8	5,396	5,299	5,122	5,207	+3.6
Communications equipment	18,238	18,113	18,001	+0.7	+0.6	0.0	18,203	18,084	17,993	17,027	+6.9
Electronic components	31,912	30,443	29,864	+4.8	+1.9	+2.0	34,257	27,643	29,627	25,949	+32.0
Transportation equipment	230,506	231,745	235,273	-0.5	-1.5	-1.3	230,417	231,774	236,056	250,230	-7.9
Aircraft, missiles, space vehicles, and parts.	194,810	195,163	197,363	-0.2	-1.1	-1.2	194,703	195,385	198,327	215,459	-9.6
Shipbuilding and tanks	19,117	19,428	20,063	-1.6	-3.2	-2.1	19,173	19,500	20,039	17,485	+9.7
Instruments and related products	46,946	47,223	47,947	-0.6	-1.5	+0.1	46,853	47,080	48,321	48,595	-3.6
Search and navigation equipment . . .	26,114	26,461	26,570	-1.3	-0.4	-0.3	26,066	26,750	26,848	27,685	-5.8
Measuring and controlling devices . .	10,328	10,325	10,372	0.0	-0.5	-0.4	10,328	10,325	10,372	10,257	+0.7
Medical instruments and supplies . . .	9,652	9,601	10,144	+0.5	-5.4	+2.5	9,592	9,152	10,219	9,618	-0.3
All other durable goods	8,426	8,480	8,440	-0.6	+0.5	-2.8	8,841	8,603	8,809	8,461	+4.5
Nondurable goods industries	24,475	24,176	23,844	+1.2	+1.4	+1.9	26,129	24,749	24,139	25,723	+1.6

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change July 99/98
	July 1999 ^p	June 1999 ^p	May 1999	June- July	May- June	Apr.- May	July 1999 ^p	June 1999 ^p	May 1999	July 1998	
All manufacturing industries	464,865	462,690	463,742	+0.5	-0.2	+0.1	466,414	460,432	467,701	469,220	-0.6
Manufacturing industries with unfilled orders	309,013	307,649	308,646	+0.4	-0.3	-0.2	311,822	307,382	312,492	316,461	-1.5
without defense capital goods	446,254	444,400	445,316	+0.4	-0.2	+0.1	447,383	442,120	449,042	450,000	-0.6
Durable goods industries	293,396	291,645	292,403	+0.6	-0.3	0.0	294,972	290,135	295,610	297,154	-0.7
With unfilled orders	268,510	266,959	268,064	+0.6	-0.4	-0.1	270,581	266,314	271,390	274,042	-1.3
Stone, clay, and glass products	9,449	9,395	9,388	+0.6	+0.1	+1.6	9,508	9,511	9,644	9,176	+3.6
Primary metals	23,706	23,674	23,758	+0.1	-0.4	+0.5	23,812	23,498	23,716	24,851	-4.2
Blast furnaces, steel mills	11,405	11,468	11,599	-0.5	-1.1	+0.2	11,467	11,262	11,443	12,349	-7.1
Iron and steel foundries	1,605	1,611	1,617	-0.4	-0.4	+0.1	1,590	1,638	1,665	1,557	+2.1
Nonferrous and other primary metals	10,696	10,595	10,542	+1.0	+0.5	+0.8	10,755	10,598	10,608	10,945	-1.7
Fabricated metal products	31,015	30,740	31,006	+0.9	-0.9	+0.4	31,213	31,023	31,373	31,152	+0.2
Industrial machinery and equipment	59,734	59,867	60,331	-0.2	-0.8	-0.3	59,774	59,347	61,320	61,030	-2.1
Engines and turbines	4,491	4,273	4,358	+5.1	-2.0	+0.1	4,549	4,146	4,496	4,196	+8.4
Farm and garden machinery	3,567	3,601	3,628	-0.9	-0.7	-0.4	3,291	3,385	3,472	3,431	-4.1
Construction, mining and material handling equipment	8,898	8,879	8,973	+0.2	-1.0	-0.6	8,787	8,903	9,103	8,653	+1.5
Metalworking machinery	8,017	8,112	8,055	-1.2	+0.7	-0.3	8,239	8,100	8,206	7,980	+3.2
Computer and office equipment	8,641	9,004	8,958	-4.0	+0.5	0.0	8,906	8,999	9,391	9,891	-10.0
Electronic and other electrical equipment	41,174	40,997	40,825	+0.4	+0.4	+0.7	41,779	41,032	41,720	40,866	+2.2
Electrical transmission and distribution equipment and industrial apparatus	5,243	5,214	5,246	+0.6	-0.6	-1.0	5,221	5,124	5,272	5,299	-1.5
Household appliances	2,400	2,410	2,437	-0.4	-1.1	+1.5	2,397	2,446	2,647	2,364	+1.4
Electric lighting and wiring equipment	3,568	3,566	3,534	+0.1	+0.9	+0.1	3,666	3,607	3,604	3,544	+3.4
Household audio and video equipment	1,154	1,043	981	+10.6	+6.3	+1.8	1,268	1,049	961	1,060	+19.6
Communications equipment	10,727	10,731	10,670	0.0	+0.6	+1.1	10,887	10,624	11,002	10,491	+3.8
Electronic components	14,440	14,453	14,479	-0.1	-0.2	+1.5	14,566	14,521	14,721	14,448	+0.8
Transportation equipment	72,450	71,596	71,788	+1.2	-0.3	-0.9	72,721	70,500	71,987	75,256	-3.4
Motor vehicles and parts	17,711	17,597	17,233	+0.6	+2.1	+0.9	17,932	17,125	17,170	17,022	+5.3
Aircraft, missiles, space vehicles, and parts	48,629	48,037	48,659	+1.2	-1.3	-1.6	48,622	47,431	48,816	52,504	-7.4
Shipbuilding and tanks	2,216	2,208	2,078	+0.4	+6.3	-1.0	2,219	2,221	2,093	1,729	+28.3
Instruments and related products	26,912	26,587	26,644	+1.2	-0.2	-0.6	27,287	26,663	27,074	27,010	+1.0
Search and navigation equipment	6,783	6,691	6,775	+1.4	-1.2	-0.7	7,003	6,737	6,922	6,988	+0.2
Measuring and controlling devices	8,084	8,023	7,971	+0.8	+0.7	-0.1	8,194	8,102	8,038	8,127	+0.8
Medical instruments and supplies	8,837	8,724	8,670	+1.3	+0.6	-0.2	8,896	8,693	8,806	8,554	+4.0
Photographic goods	2,461	2,424	2,506	+1.5	-3.3	-2.0	2,450	2,403	2,576	2,634	-7.0
All other durable goods	28,956	28,789	28,663	+0.6	+0.4	+1.1	28,878	28,561	28,776	27,813	+3.8
Nondurable goods industries	171,469	171,045	171,339	+0.2	-0.2	+0.3	171,442	170,297	172,091	172,066	-0.4
With unfilled orders	40,503	40,690	40,582	-0.5	+0.3	-0.8	41,241	41,068	41,102	42,419	-2.8
Food and kindred products	37,849	38,037	38,182	-0.5	-0.4	+0.5	36,749	36,600	37,028	36,333	+1.1
Meat products	4,280	4,254	4,211	+0.6	+1.0	-0.1	4,305	4,329	4,327	4,087	+5.3
Dairy products	3,893	3,875	3,885	+0.5	-0.3	+0.2	4,023	3,938	3,978	3,926	+2.5
Beverages	8,683	8,797	8,776	-1.3	+0.2	+1.4	8,447	8,678	8,762	7,987	+5.8
All other foods, except fats and oils	19,364	19,409	19,564	-0.2	-0.8	+0.6	18,427	18,013	18,264	18,521	-0.5
Tobacco products	5,149	5,208	5,308	-1.1	-1.9	-0.7	4,645	4,750	5,054	5,210	-10.8
Textile mill products	10,033	10,107	10,051	-0.7	+0.6	-0.3	10,176	10,193	10,340	10,428	-2.4
Broadwoven fabrics and other textiles	6,123	6,171	6,186	-0.8	-0.2	-0.5	6,179	6,170	6,324	6,461	-4.4
Paper and allied products	16,052	16,070	16,023	-0.1	+0.3	+0.2	16,005	16,066	16,217	16,513	-3.1
Pulp, paper, and paperboard mill products	6,420	6,473	6,513	-0.8	-0.6	+0.2	6,350	6,428	6,557	6,648	-4.5
Paperboard containers and boxes	3,965	3,942	3,926	+0.6	+0.4	+0.1	3,985	3,943	3,955	4,327	-7.9
Miscellaneous converted paper products	5,667	5,655	5,584	+0.2	+1.3	+0.2	5,670	5,695	5,705	5,538	+2.4
Chemicals and allied products	46,999	46,581	46,929	+0.9	-0.7	+1.2	47,121	46,543	47,565	46,483	+1.4
Industrial chemicals	19,439	19,113	19,234	+1.7	-0.6	+0.6	19,480	18,956	19,254	20,393	-4.5
Drugs, soaps, and toiletries	21,620	21,581	21,780	+0.2	-0.9	+2.0	21,987	21,949	22,448	20,783	+5.8
Petroleum and coal products	11,062	10,814	10,706	+2.3	+1.0	+0.2	11,256	10,985	11,040	11,066	+1.7
Rubber and plastics products	17,009	16,902	16,902	+0.6	0.0	+0.6	17,023	16,930	17,093	16,646	+2.3
All other nondurable goods	27,316	27,326	27,238	0.0	+0.3	-1.1	28,467	28,230	27,754	29,387	-3.1

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey error and revision.

**Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS
FOR TOPICAL SERIES¹
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted ²							
	Monthly			Percent Change			Monthly				Percent change	Year to date		
	July 1999 ^p	June 1999 ^r	May 1999	June-July	May-June	Apr.-May	July 1999 ^p	June 1999 ^r	May 1999	July 1998		1999 ^p	1998	
SHIPMENTS														
All manufacturing industries	356,442	354,702	350,624	+0.5	+1.2	+0.9	319,970	380,057	349,625	302,131	+5.9	2,411,222	2,316,560	
Market categories :														
Automotive equipment	16,644	16,967	15,936	-1.9	+6.5	+2.1	10,181	17,746	16,731	8,370	+21.6	110,607	96,817	
Home goods and apparel	19,898	19,645	19,986	+1.3	-1.7	-1.6	18,566	20,592	18,947	17,945	+3.5	134,868	128,558	
Consumer staples	74,002	74,050	72,565	-0.1	+2.0	+0.8	71,837	77,136	71,794	67,118	+7.0	497,377	473,720	
Machinery and equipment	68,961	68,232	68,250	+1.1	0.0	+1.1	57,104	77,374	66,726	52,850	+8.0	462,561	435,993	
Business supplies	26,785	26,505	26,309	+1.1	+0.7	+1.7	25,421	27,806	26,149	24,196	+5.1	181,153	176,003	
Construction materials and supplies	23,365	23,303	22,860	+0.3	+1.9	+0.5	23,167	25,145	23,314	21,640	+7.1	158,151	149,214	
Defense products	6,855	6,565	6,845	+4.4	-4.1	+1.6	6,092	7,025	6,650	6,027	+1.1	46,368	46,826	
Other materials, supplies and intermediate products	119,932	119,435	117,873	+0.4	+1.3	+0.9	107,602	127,233	119,314	103,985	+3.5	820,137	809,429	
Durable goods industries :														
Nondefense capital goods ³	55,983	54,472	55,543	+2.8	-1.9	+1.5	48,489	63,559	52,908	44,305	+9.4	370,872	349,043	
Excluding aircraft and parts	48,645	46,459	46,376	+4.7	+0.2	+0.8	42,219	54,986	44,039	37,828	+11.6	314,063	298,189	
Defense capital goods ⁴	6,654	6,278	6,669	+6.0	-5.9	+2.2	5,818	6,734	6,483	5,691	+2.2	44,611	44,376	
Durables excluding capital goods . . .	139,870	140,240	137,213	-0.3	+2.2	+0.9	116,589	149,131	139,382	108,996	+7.0	949,151	895,397	
Miscellaneous series :														
Producers' durable equipment	132,806	131,602	130,255	+0.9	+1.0	+0.7	106,249	145,448	129,697	97,546	+8.9	891,732	831,760	
Household durable goods	10,569	10,262	10,418	+3.0	-1.5	-0.8	9,217	10,937	10,019	8,281	+11.3	70,094	63,018	
Information technology industries . . .	28,938	26,666	26,715	+8.5	-0.2	-0.5	24,290	32,606	24,411	20,382	+19.2	178,514	164,417	
Health care equipment and products	12,971	13,317	12,954	-2.6	+2.8	-0.6	11,919	14,439	12,191	11,130	+7.1	88,378	80,921	
NEW ORDERS														
All manufacturing industries	358,466	351,128	348,259	+2.1	+0.8	+1.0	329,117	370,797	344,067	306,253	+7.5	2,422,386	2,316,293	
Market categories :														
Automotive equipment	16,642	16,986	15,944	-2.0	+6.5	+2.3	10,223	17,737	16,674	8,363	+22.2	110,689	96,692	
Home goods and apparel	19,968	19,580	19,610	+2.0	-0.2	-3.6	18,862	20,340	18,730	17,919	+5.3	135,850	128,418	
Consumer staples	74,077	74,127	72,661	-0.1	+2.0	+0.9	72,516	77,462	71,899	67,646	+7.2	498,515	474,411	
Machinery and equipment	68,172	64,842	66,065	+5.1	-1.9	+1.4	56,880	72,751	64,815	52,752	+7.8	457,776	438,751	
Business supplies	26,824	26,481	26,387	+1.3	+0.4	+1.9	25,811	27,784	26,448	24,501	+5.3	182,302	176,878	
Construction materials and supplies	23,521	23,502	22,723	+0.1	+3.4	-0.2	23,343	25,340	23,173	21,569	+8.2	159,157	149,862	
Defense products	6,899	5,492	6,090	+25.6	-9.8	+14.2	5,562	5,240	5,042	4,423	+25.8	44,341	42,056	
Other materials, supplies and intermediate products	122,363	120,118	118,779	+1.9	+1.1	+0.8	115,920	124,143	117,286	109,080	+6.3	833,756	809,225	
Durable goods industries :														
Nondefense capital goods ³	55,266	50,948	53,041	+8.5	-3.9	+1.0	48,068	59,120	50,399	43,832	+9.7	365,334	349,664	
Excluding aircraft and parts	48,884	44,540	46,057	+9.8	-3.3	-2.9	42,754	52,152	43,713	37,492	+14.0	317,293	298,729	
Defense capital goods ⁴	6,659	5,209	6,019	+27.8	-13.5	+19.0	5,151	4,913	4,954	3,919	+31.4	42,619	40,054	
Durables excluding capital goods . . .	142,307	140,927	137,549	+1.0	+2.5	+0.3	125,444	145,521	137,200	114,886	+9.2	964,662	898,332	
Miscellaneous series :														
Producers' durable equipment	131,880	128,463	127,656	+2.7	+0.6	+1.0	106,722	140,467	127,219	97,641	+9.3	886,797	833,597	
Household durable goods	10,661	10,258	10,052	+3.9	+2.0	-4.1	9,567	10,759	9,753	8,249	+16.0	70,692	62,495	
Information technology industries . . .	29,129	26,823	26,703	+8.6	+0.4	+0.3	24,781	32,474	24,731	20,212	+22.6	180,737	166,770	
Health care equipment and products	13,022	12,775	13,199	+1.9	-3.2	-0.9	12,361	13,374	12,611	11,864	+4.2	88,391	82,118	

^p Preliminary. ^r Revised.

¹ Topical series are regroupings of the separate industry categories.

² Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

³ Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

⁴ Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

**Table 6. VALUE OF MANUFACTURERS' UNFILLED ORDERS AND TOTAL INVENTORIES
FOR TOPICAL SERIES¹
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change July 99/98
	July 1999 ^p	June 1999 ^r	May 1999	June- July	May- June	Apr.- May	July 1999 ^p	June 1999 ^r	May 1999	July 1998	
UNFILLED ORDERS											
All manufacturing industries	520,088	518,064	521,638	+0.4	-0.7	-0.5	524,150	515,003	524,263	531,291	-1.3
Market categories :											
Automotive equipment	2,503	2,505	2,486	-0.1	+0.8	+0.3	2,487	2,445	2,454	2,361	+5.3
Home goods and apparel	8,980	8,911	8,975	+0.8	-0.7	-4.0	9,293	8,997	9,249	8,418	+10.4
Consumer staples	2,769	2,693	2,616	+2.8	+2.9	+3.8	3,400	2,721	2,396	2,739	+24.1
Machinery and equipment	235,554	236,343	239,733	-0.3	-1.4	-0.9	235,784	236,008	240,632	245,501	-4.0
Business supplies	7,153	7,114	7,138	+0.5	-0.3	+1.1	7,669	7,279	7,301	7,307	+5.0
Construction materials and supplies	18,075	17,919	17,721	+0.9	+1.1	-0.8	18,246	18,071	17,876	18,274	-0.2
Defense products	89,105	89,061	90,134	0.0	-1.2	-0.8	88,888	89,418	91,203	92,775	-4.2
Other materials, supplies and and intermediate products	155,949	153,518	152,835	+1.6	+0.4	+0.6	158,383	150,064	153,152	153,916	+2.9
Durable goods industries :											
Nondefense capital goods ³	251,883	252,600	256,124	-0.3	-1.4	-1.0	251,544	251,965	256,404	261,837	-3.9
Excluding aircraft and parts	110,146	109,907	111,826	+0.2	-1.7	-0.3	109,807	109,272	112,106	103,712	+5.9
Defense capital goods ⁴	93,911	93,906	94,975	0.0	-1.1	-0.7	93,721	94,388	96,209	97,894	-4.3
Durables excluding capital goods . . .	149,819	147,382	146,695	+1.7	+0.5	+0.2	152,756	143,901	147,511	145,837	+4.7
Miscellaneous series :											
Producers' durable equipment	274,418	275,344	278,483	-0.3	-1.1	-0.9	274,569	274,096	279,077	284,951	-3.6
Household durable goods	5,633	5,541	5,545	+1.7	-0.1	-6.2	5,759	5,409	5,587	5,260	+9.5
Information technology industries . . .	41,056	40,865	40,708	+0.5	+0.4	0.0	41,339	40,848	40,980	40,323	+2.5
Health care equipment and products	9,694	9,643	10,185	+0.5	-5.3	+2.5	9,637	9,195	10,260	9,661	-0.2
TOTAL INVENTORIES											
All manufacturing industries	464,865	462,690	463,742	+0.5	-0.2	+0.1	466,414	460,432	467,701	469,220	-0.6
Market categories :											
Automotive equipment	8,894	8,817	8,652	+0.9	+1.9	+0.7	9,019	8,630	8,784	8,630	+4.5
Home goods and apparel	31,576	31,431	31,342	+0.5	+0.3	+0.7	32,463	32,272	32,261	32,501	-0.1
Consumer staples	74,294	74,284	74,620	0.0	-0.5	+0.7	73,423	73,131	74,316	72,164	+1.7
Machinery and equipment	116,992	116,397	116,955	+0.5	-0.5	-0.6	117,122	115,171	118,666	119,920	-2.3
Business supplies	28,248	28,174	28,174	+0.3	0.0	-0.7	28,561	28,205	28,391	28,621	-0.2
Construction materials and supplies	29,397	29,218	29,130	+0.6	+0.3	+1.1	29,567	29,319	29,421	28,666	+3.1
Defense products	18,335	18,088	18,121	+1.4	-0.2	+0.6	18,719	18,116	18,335	18,898	-0.9
Other materials, supplies and and intermediate products	157,129	156,281	156,748	+0.5	-0.3	+0.2	157,540	155,588	157,527	159,820	-1.4
Durable goods industries :											
Nondefense capital goods ³	108,270	107,909	108,806	+0.3	-0.8	-0.9	108,560	106,922	110,486	112,277	-3.3
Excluding aircraft and parts	71,840	71,729	72,117	+0.2	-0.5	-0.1	72,464	71,343	73,833	72,464	0.0
Defense capital goods ⁴	18,611	18,290	18,426	+1.8	-0.7	+0.3	19,031	18,312	18,659	19,220	-1.0
Durables excluding capital goods . . .	166,515	165,446	165,171	+0.6	+0.2	+0.5	167,381	164,901	166,465	165,657	+1.0
Miscellaneous series :											
Producers' durable equipment	190,130	189,119	189,490	+0.5	-0.2	-0.2	191,120	188,043	191,887	193,150	-1.1
Household durable goods	16,328	16,239	16,348	+0.5	-0.7	+1.1	16,622	16,411	16,722	16,351	+1.7
Information technology industries . . .	32,715	32,842	32,758	-0.4	+0.3	+0.1	33,364	32,801	33,762	33,680	-0.9
Health care equipment and products	20,538	20,402	20,452	+0.7	-0.2	+1.1	20,794	20,566	20,945	19,812	+5.0

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

**Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION,
BY INDUSTRY GROUP
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change July 99/98
	July 1999 ^p	June 1999 ^r	May 1999	June- July	May- June	Apr.- May	July 1999 ^p	June 1999 ^r	May 1999	July 1998	
MATERIALS AND SUPPLIES											
All manufacturing industries	154,151	152,952	152,843	+0.8	+0.1	+0.1	154,671	151,818	152,148	156,626	-1.2
Durable goods industries	93,008	92,031	91,677	+1.1	+0.4	0.0	93,631	91,023	91,086	93,984	-0.4
Stone, clay, and glass products	3,206	3,192	3,201	+0.4	-0.3	+0.5	3,208	3,184	3,190	3,038	+5.6
Primary metals	7,406	7,358	7,357	+0.7	0.0	-1.3	7,431	7,218	7,125	8,039	-7.6
Fabricated metal products	10,552	10,440	10,403	+1.1	+0.4	+0.8	10,597	10,427	10,280	10,804	-1.9
Industrial machinery and equipment	19,956	19,999	19,997	-0.2	0.0	-1.2	20,095	19,913	20,147	20,141	-0.2
Electronic and other electrical equipment	16,458	15,913	15,565	+3.4	+2.2	+0.4	16,786	15,720	15,590	15,957	+5.2
Transportation equipment	15,434	15,270	15,306	+1.1	-0.2	+1.6	15,655	15,116	15,256	15,956	-1.9
Instruments and related products	9,096	9,014	8,912	+0.9	+1.1	-1.5	9,152	9,039	8,990	9,280	-1.4
Lumber, furniture and miscellaneous durable goods	10,900	10,845	10,936	+0.5	-0.8	+0.2	10,707	10,406	10,508	10,769	-0.6
Nondurable goods industries	61,143	60,921	61,166	+0.4	-0.4	+0.2	61,040	60,795	61,062	62,642	-2.6
Food and kindred products	11,595	11,593	11,642	0.0	-0.4	+0.7	11,412	11,475	11,493	11,291	+1.1
Tobacco products	4,558	4,595	4,662	-0.8	-1.4	-0.8	4,209	4,292	4,529	4,597	-8.4
Textile mill products	2,831	2,873	2,841	-1.5	+1.1	+0.6	2,881	2,896	2,915	3,022	-4.7
Paper and allied products	7,723	7,707	7,678	+0.2	+0.4	-0.4	7,681	7,669	7,652	8,080	-4.9
Chemicals and allied products	15,735	15,476	15,692	+1.7	-1.4	+0.4	15,820	15,574	15,786	15,504	+2.0
Petroleum and coal products	3,265	3,249	3,197	+0.5	+1.6	+0.9	3,299	3,311	3,256	3,392	-2.7
Rubber and plastics products	6,913	6,855	6,845	+0.8	+0.1	+1.2	6,972	6,823	6,845	6,849	+1.8
Apparel, printing and publishing and leather goods	8,523	8,573	8,609	-0.6	-0.4	-0.7	8,766	8,755	8,586	9,907	-11.5
WORK IN PROCESS											
All manufacturing industries	147,020	146,609	147,793	+0.3	-0.8	-0.3	147,734	145,249	148,854	151,705	-2.6
Durable goods industries	116,587	116,056	117,183	+0.5	-1.0	-0.5	117,333	115,081	118,320	122,063	-3.9
Stone, clay, and glass products	1,455	1,453	1,416	+0.1	+2.6	+4.0	1,478	1,484	1,466	1,366	+8.2
Primary metals	8,145	8,195	8,294	-0.6	-1.2	+1.6	8,250	8,170	8,337	8,737	-5.6
Fabricated metal products	8,973	8,966	8,984	+0.1	-0.2	+0.1	9,073	8,987	9,043	9,182	-1.2
Industrial machinery and equipment	21,819	21,709	22,011	+0.5	-1.4	-0.6	21,903	21,530	22,365	22,743	-3.7
Electronic and other electrical equipment	14,045	14,160	14,430	-0.8	-1.9	+1.7	14,173	14,294	14,782	14,192	-0.1
Transportation equipment	46,890	46,294	46,610	+1.3	-0.7	-2.1	46,837	45,257	46,672	50,191	-6.7
Instruments and related products	9,887	9,901	10,004	-0.1	-1.0	+0.3	10,171	9,957	10,163	10,275	-1.0
Lumber, furniture and miscellaneous durable goods	5,373	5,378	5,434	-0.1	-1.0	+0.4	5,448	5,402	5,492	5,377	+1.3
Nondurable goods industries	30,433	30,553	30,610	-0.4	-0.2	+0.9	30,401	30,168	30,534	29,642	+2.6
Food and kindred products	6,175	6,146	6,114	+0.5	+0.5	-0.3	5,640	5,665	5,637	5,217	+8.1
Tobacco products	82	82	82	0.0	0.0	-1.2	78	75	74	114	-31.6
Textile mill products	2,476	2,490	2,511	-0.6	-0.8	0.0	2,490	2,464	2,527	2,690	-7.4
Paper and allied products	1,665	1,671	1,641	-0.4	+1.8	+0.4	1,673	1,691	1,667	1,596	+4.8
Chemicals and allied products	9,160	9,292	9,541	-1.4	-2.6	+5.2	9,325	9,397	9,788	8,869	+5.1
Petroleum and coal products	2,598	2,577	2,573	+0.8	+0.2	+0.1	2,613	2,586	2,664	2,594	+0.7
Rubber and plastics products	2,299	2,316	2,294	-0.7	+1.0	-0.6	2,264	2,260	2,277	2,174	+4.1
Apparel, printing and publishing and leather goods	5,978	5,979	5,854	0.0	+2.1	-3.1	6,318	6,030	5,900	6,388	-1.1
FINISHED GOODS											
All manufacturing industries	163,694	163,129	163,106	+0.3	0.0	+0.5	164,009	163,365	166,699	160,889	+1.9
Durable goods industries	83,801	83,558	83,543	+0.3	0.0	+0.8	84,008	84,031	86,204	81,107	+3.6
Stone, clay, and glass products	4,788	4,750	4,771	+0.8	-0.4	+1.7	4,822	4,843	4,988	4,772	+1.0
Primary metals	8,155	8,121	8,107	+0.4	+0.2	+1.0	8,131	8,110	8,254	8,075	+0.7
Fabricated metal products	11,490	11,334	11,619	+1.4	-2.5	+0.2	11,543	11,609	12,050	11,166	+3.4
Industrial machinery and equipment	17,959	18,159	18,323	-1.1	-0.9	+1.2	17,776	17,904	18,808	18,146	-2.0
Electronic and other electrical equipment	10,671	10,924	10,830	-2.3	+0.9	-0.2	10,820	11,018	11,348	10,717	+1.0
Transportation equipment	10,126	10,032	9,872	+0.9	+1.6	+1.1	10,229	10,127	10,059	9,109	+12.3
Instruments and related products	7,929	7,672	7,728	+3.3	-0.7	-0.8	7,964	7,667	7,921	7,455	+6.8
Lumber, furniture and miscellaneous durable goods	12,683	12,566	12,293	+0.9	+2.2	+2.2	12,723	12,753	12,776	11,667	+9.1
Nondurable goods industries	79,893	79,571	79,563	+0.4	0.0	+0.2	80,001	79,334	80,495	79,782	+0.3
Food and kindred products	20,079	20,298	20,426	-1.1	-0.6	+0.7	19,697	19,460	19,898	19,825	-0.6
Tobacco products	509	531	564	-4.1	-5.9	+0.9	358	383	451	499	-28.3
Textile mill products	4,726	4,744	4,699	-0.4	+1.0	-1.1	4,805	4,833	4,898	4,716	+1.9
Paper and allied products	6,664	6,692	6,704	-0.4	-0.2	+0.8	6,651	6,706	6,898	6,837	-2.7
Chemicals and allied products	22,104	21,813	21,696	+1.3	+0.5	+0.2	21,976	21,572	21,991	22,110	-0.6
Petroleum and coal products	5,199	4,988	4,936	+4.2	+1.1	-0.2	5,344	5,088	5,120	5,080	+5.2
Rubber and plastics products	7,797	7,731	7,763	+0.9	-0.4	+0.6	7,787	7,847	7,971	7,623	+2.2
Apparel, printing and publishing and leather goods	12,815	12,774	12,775	+0.3	0.0	-0.4	13,383	13,445	13,268	13,092	+2.2

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio ¹			
	July 1999 ^p	June 1999 ^r	May 1999	Apr. 1999	July 1999 ^p	June 1999 ^r	May 1999	Apr. 1999
All manufacturing industries	1.30	1.30	1.32	1.33	2.55	2.57	2.59	2.63
Durable goods industries	1.45	1.45	1.47	1.48	2.99	3.01	3.03	3.08
Stone, clay, and glass products	1.11	1.10	1.11	1.10	0.74	0.74	0.76	0.77
Primary metals	1.60	1.61	1.64	1.66	2.12	2.09	2.07	2.10
Fabricated metal products	1.52	1.50	1.52	1.51	1.31	1.31	1.33	1.34
Industrial machinery and equipment	1.52	1.60	1.61	1.61	2.10	2.20	2.22	2.22
Electronic and other electrical equipment	1.17	1.20	1.21	1.20	1.94	1.93	1.93	1.93
Transportation equipment	1.50	1.44	1.47	1.52	9.02	8.78	8.65	8.98
Instruments and related products	1.86	1.82	1.86	1.89	3.25	3.23	3.35	3.37
Nondurable goods industries	1.11	1.11	1.13	1.14	0.65	0.65	0.64	0.63
Food and kindred products	0.91	0.90	0.92	0.93	(X)	(X)	(X)	(X)
Tobacco products	1.21	1.23	1.31	1.31	(X)	(X)	(X)	(X)
Textile mill products	1.53	1.57	1.54	1.54	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.18	1.19	1.20	1.19	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.37	1.35	1.40	1.38	(X)	(X)	(X)	(X)
Petroleum and coal products	0.76	0.79	0.82	0.82	(X)	(X)	(X)	(X)
Rubber and plastics products	1.27	1.24	1.25	1.25	(X)	(X)	(X)	(X)

^p Preliminary. ^r Revised. (X) Not applicable. (NA) Not available.

¹ Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	July ¹ 1999	July ² 1994-1998	July 1998-June 1999	July ¹ 1999	July ² 1994-1998	July 1998-June 1999	July ¹ 1999	July ² 1994-1998	July 1998-June 1999	July ¹ 1999	July ² 1994-1998	July 1998-June 1999
All manufacturing industries	(X)	0.2	0.1	(X)	0.2	0.2	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries	0.1	0.3	0.2	0.3	0.3	0.3	-0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.4	0.4	(X)	1.1	0.5	(X)	0.7	0.4	(X)	0.1	0.2
Primary metals	-0.3	0.1	0.2	-0.1	0.4	0.9	0.1	0.2	0.4	(X)	0.1	0.0
Fabricated metal products	(X)	0.3	0.3	(X)	0.3	0.5	(X)	0.2	0.3	(X)	0.1	0.1
Industrial machinery and equipment	1.9	0.3	0.4	2.0	0.2	0.3	0.1	0.1	0.2	(X)	0.1	0.1
Electronic and other electrical equipment	-0.9	0.6	0.5	-1.2	0.7	1.2	-0.2	0.4	0.6	(X)	0.1	0.2
Transportation equipment	0.0	1.0	0.7	0.1	1.0	1.1	0.0	0.1	0.1	(X)	0.2	0.2
Instruments and related products	(X)	0.3	0.6	(X)	1.1	1.3	(X)	0.2	0.3	(X)	0.2	0.1
Nondurable goods industries	(X)	0.0	0.1	(X)	0.0	0.1	(X)	0.1	0.2	(X)	0.0	0.1
Food and kindred products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.0	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products	(X)	0.5	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Paper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Petroleum and coal products	(X)	0.1	0.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.6
Rubber and plastics products	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense	1.1	0.2	0.3	1.2	0.3	0.5	0.0	0.1	0.1	(X)	0.1	0.1
Defense	0.0	0.7	0.5	0.0	3.1	4.1	0.0	0.2	0.3	(X)	0.2	0.1

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

¹ The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

² Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.